CLAIMS

1. (Currently Amended) An interactive grid computing system comprising:

an interactive grid computing service provider comprising:

a resource that said interactive grid computing service provider reserves for a client based on a request from said client for an interactive session for a service that said resource is enabled to provide;

a first firewall coupled to said resource for protecting said resource; and

a remote display server coupled to said first firewall for providing secure access to said resource over a secure connection and for providing interactive graphical data associated with said resource, wherein said client is enabled to communicate directly with said resource over said secure connection during said interactive session <u>wherein said direct communication is not virtual and includes physical data transfer between said client and said resource.</u>

2. (Previously Presented) The interactive grid computing system as described in Claim 1 further comprising said client coupled to said interactive grid computing service provider, said client comprising:

a second firewall protecting said client; and

a remote display resource for communicating with said remote display server through said secure connection to access said interactive graphical data provided by said remote display server.

3. (Original) The system as described in Claim 2 wherein said remote display resource is a virtual network computing (VNC) viewer modified for secure access and for viewing a graphical desktop display associated with said resource.

4. (Original) The system as described in Claim 2 wherein said remote display resource provides a socksified SSL connection.

5. (Original) The system as described in Claim 1 wherein said interactive graphical data provided by said remote display server is encrypted.

6.   (Original) The system as described in Claim 2 wherein said second firewall is hosting a SOCKS proxy server.

7.   (Original) The system as described in Claim 1 wherein said first firewall is hosting a VNC proxy server.

8.   (Original) The system as described in Claim 2 wherein said secure connection through a socks tunnel is used to tunnel said interactive graphical data through said second firewall.

9.   (Original) The system as described in Claim 2 further comprising a software agent associated with said resource wherein if said resource is requested by said client, said software agent initiates interactive communication between said remote display server and said remote display resource.

10.   (Original) The system as described in Claim 1 wherein said interactive graphical data is a graphical desktop display associated with said resource.

11.   (Original) The system as described in Claim 1 wherein said first firewall comprises a VNC proxy server.

12.   (Currently Amended) A method for interactively accessing a remote desktop across a secure network comprising:
        receiving a request for a resource provided by a grid computing application service provider wherein said resource is protected by a first firewall;
        initiating a remote display server for providing graphical data associated with said resource to a remote display viewer protected by a second firewall;
        establishing a secure socket layer (SSL) connection between said remote display viewer and said remote display server, wherein said remote display viewer is enabled to communicate directly with said remote display server; and

communicating graphical data between said remote display viewer and said remote display server directly through said SSL connection wherein said communicating is not virtual and includes physical data transfer between said remote display server and said remote display viewer.

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13.   (Original) The method as described in Claim 12 further comprising tunneling said graphical data through a socks proxy server that comprises said second firewall.

14.   (Original) The method as described in Claim 12 further comprising hosting a VNC proxy server at said first firewall.

15.   (Original) The method as described in Claim 12 further comprising receiving said request at said grid computing application service provider from a web browser.

16.   (Original) The method as described in Claim 12 further comprising encrypting said graphical data.

17.   (Original) The method as described in Claim 12 further comprising using a socks tunnel to tunnel said graphical data through said second firewall.

18.   (Original) The method as described in Claim 12 further comprising authenticating a user associated with said remote display viewer.

19.   (Original) The method as described in Claim 18 further comprising authenticating said user at an Internet based grid service access point.

20.   (Currently Amended) An interactive grid computer system comprising a processor coupled to a bus and a memory coupled to said bus and comprising instructions that when executed implement a method for accessing a remote desktop across firewalls comprising:

receiving a request for a resource provided by a grid computing application service provider wherein said resource is protected by a first firewall;

initiating a remote display server for providing graphical data associated with said resource to a remote display viewer protected by a second firewall;

establishing a secure socket layer (SSL) connection between said remote display viewer and said remote display server, wherein said remote display viewer is enabled to communicate directly with said remote display server; and

communicating graphical data between said remote display viewer and said remote display server directly through said SSL connection wherein said communicating is not virtual and includes physical data transfer between said remote display server and said remote display viewer.

21.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises tunneling said graphical data through a socks proxy server that comprises said second firewall.

22.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises hosting a VNC server at said first firewall.

23.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises receiving said request at said grid computing application service provider from an application.

24.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises encrypting said graphical data.

25.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises using a socks tunnel to tunnel said graphical data through said second firewall.

26.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises authenticating a user associated with said remote display viewer.

27.   (Original) The interactive grid computer system as described in Claim 20 wherein said method further comprises authenticating said user at an Internet based grid service access point.